IN THE CLAIMS

Amend Claims 1, 3-8, 10-21and 23-29 as follows and add Claims 30-32:

1.(Currently Amended) A method for detecting an anomaly in ~~the~~ cardiac activity of a patient, comprising:

a) providing ~~wherein~~ at least one sensor (12) ~~determines~~ for determining at least one parameter that characterizes the cardiac activity of ~~a~~ the patient,

b) automatically evaluating the at least one parameter ~~an automatic evaluation with respect~~ with respect to at least one parameter that characterizes the anomaly in the cardiac activity ~~is carried out~~, and

c) generating an alarm signal ~~is generated~~ if a limiting value for the at least one parameter that characterizes the anomaly in the cardiac activity is exceeded,

wherein the evaluating step (b) and/or generating step (c) are/is carried out remotely to the sensing step (a) on the patient.

2. (Previously presented) The method according to Claim 1, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

3. (Currently amended) The method according to Claim 1, comprising the step of

carrying out ~~wherein~~ a metrological acquisition of an EKG signal, a pulse signal and/or a hemodynamics signal ~~is carried out~~.

4. (Currently amended) The method according to Claim 1, comprising the step of

acquiring ~~wherein the acquisition of~~ measuring values ~~is carried out~~ in ~~the~~ a region of at least one adhesive pad, wristband, neckband, thoracic band, abdominal band, hip band and/or in the region of a respiratory mask.

5. (Currently amended) The method according to Claim 1, comprising the step of

spatially separating ~~wherein the~~ sensory acquisition of measuring data and the evaluation of the measuring signals ~~are spatially separated~~.

6. (Currently amended) The method according Claim 1, comprising the step of

carrying out ~~wherein~~ the sensory acquisition of measuring data and the evaluation of the measuring signals ~~are carried out~~ spatially adjacent to one another, and

transmitting the results of the signal evaluation ~~are transmitted~~ to a different location.

7. (Currently amended) The method according to Claim 1, comprising the step of

transmitting either ~~wherein the~~ measuring data acquired by the sensor (12) ~~are transmitted~~ in a wireless fashion to the ~~a~~ signal evaluation unit (13), or the results of ~~the~~ signal evaluation (13) ~~are transmitted~~ in a wireless fashion to a signal generator (14).

8. (Currently amended) The method according to Claim 1, comprising the step of

generating ~~wherein~~ an acoustical and/or optical alarm ~~is generated~~.

9. (Previously presented) The method according to Claim 1, wherein the alarm signal comprises a control signal that causes a direct activation of a defibrillator.

10. (Currently amended) The method according to Claim 1, comprising the step of

storing ~~wherein the~~ values of the at least one parameter that characterizes the cardiac activity of a patient ~~are stored~~.

11. (Currently amended) The method according to Claim 1, comprising the step of

generating ~~wherein~~ a flag signal that causes the delivery of the alarm signal ~~is generated~~ if a limiting value is exceeded.

12. (Currently amended) The method according to Claim 11, comprising the step of

transmitting ~~wherein~~ the flag signal ~~is transmitted~~ in a wire-bound or wireless fashion.

13. (Currently amended) The method according to Claim 12, wherein the flag signal is transmitted by short-range data transmission, ~~in particular, Bluetooth~~[,] or ~~by~~ long-range data transmission[,] ~~in particular, a telephone or mobile radiotelephone~~.

14. (Currently amended) The method according to Claim 11, comprising the step of

transmitting ~~wherein the~~ stored values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, from which the values can be retrieved, ~~are transmitted~~ together with the flag signal.

15. (Currently amended) The method according to Claim 11, comprising the step of

transmitting ~~wherein~~ patient data or information on a storage location,

from which the patient data can be retrieved, ~~are transmitted~~ together with the flag signal.

16. (Currently amended) The method according Claim 1, comprising the steps of

determining ~~wherein it is determined~~ if and how the patient is moving, and

using this information ~~is used~~ for determining if a limiting value is exceeded together with the parameters that characterize the cardiac activity of a patient.

17. (Currently Amended) A device for detecting an anomaly in the cardiac activity of a patient, comprising

at least one sensor (12) arranged for acquiring at least one signal that characterizes ~~a~~ the cardiac activity of ~~a~~ the patient,

at least one signal evaluation unit (13) to which the sensor (12) is connected, and

a signal transmitter (15) to which the signal evaluation unit (13) is connected,

wherein the signal evaluation unit (13) is provided with an analyzer for determining if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded by the signal from the sensor (12), and

said evaluation unit (13) and/or signal transmitter (15) are/is positioned remotely from said sensor (12) on the patient.

18. (Currently amended) The device according to Claim 17, wherein the anomaly in the cardiac activity of a patient is a state of fibrillation, and the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.

19. (Currently amended) The device according to Claim 17, wherein the signal transmitter (15) can be activated by a signal generator (14).

20. (Currently amended) The device according to Claim 17, wherein the device is ~~realized~~ structured and arranged in the form of a mobile unit ~~and used~~ for defibrillation ~~purposes~~[,] and ~~the device~~ additionally contains a voltage generator, a control unit (9) coupled to a monitoring device including said sensor (12), signal evaluation unit (13) and signal transmitter (15) and at least two electrodes (2, 3).

21. (Currently amended) The device according to Claim 20, wherein the signal evaluation unit (13) forms part of the control unit (9).

22. (Previously presented) The device according to Claim 20, wherein the signal evaluation unit (13) is spatially separated from the control unit (9).

23. (Currently amended) The device according to Claim 17, wherein the sensor (12) is arranged adjacent to or spatially separate from the signal evaluation unit (13).

24. (Currently amended) The device according to Claim 17, wherein the sensor (12) and the signal evaluation unit (13) are connected via a wireless link.

25. (Currently amended) The device according to Claim 17, wherein a memory is provided for storing ~~the~~ values of the at least one parameter that characterizes the cardiac activity of a patient and/or at least one parameter characterizing patient data.

26. (Currently amended) The device according to Claim 17, wherein the signal transmitter (15) and the signal generator (14) are connected in a wire-bound or wireless fashion.

27. (Currently amended) The device according to Claim 17, ~~wherein the~~ additionally comprising motion sensors ~~are provided~~ for determining if and how the patient is moving.

28. (Currently amended) The device according to Claim 17, wherein the sensor (12) for acquiring at least one signal that characterizes a cardiac activity of a patient comprises defibrillator electrodes.

29. (Currently amended) The device according to Claim 17, additionally comprising means ~~are provided~~ for obtaining information on the current location of the patient.

30. (New) The method according to Claim 13, wherein the short-range data transmission is Bluetooth and the long-range data transmission is by telephone or mobile radiotelephone.

31. (New) The method according to Claim 1, comprising the additional steps of

determining at least one fibrillation parameter with the at least one sensor (12), and

activating a defibrillator on the patient if the alarm signal is generated.

32. (New) The device according to Claim 17, wherein said signal transmitter (18) is coupled to at least one of a generator (14) for activating the signal and/or alarm if the limiting value is exceeded and a defibrillator (3-8) on the patient.